

IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of claims in the application.

1. (CURRENTLY AMENDED) Device for heat transfer between a first wall and a second wall respectively in contact with a first thermal mass and a second thermal mass, ~~characterised in that it comprises~~ comprising:

an insulating unit (12) capable of being interposed between the first wall (14) and the second wall (16) ~~in order to define a closed loop for the circulation of a heat-exchanging fluid (FC), which comprises and including~~ a first channel (28) extending substantially vertically along the first wall (14) and a second channel (30) extending substantially vertically along the second wall (16), the first channel and the second channel being staggered with respect to one another in the vertical direction in order to define a 'low channel' and a 'high channel', as well as an upper channel (32) connecting the first channel and the second channel and a lower channel (34) connecting the first channel and the second channel, ~~in such a manner that~~

wherein the circulation of the heat-exchanging fluid (FC) is effected naturally in the loop when the low channel is at a higher temperature than the high channel, which permits a heat transfer, and ~~that the circulation of heat-exchanging fluid (FC) is naturally blocked in the loop when the low channel is at a lower temperature than the high channel, which prevents heat transfer by forming a thermal insulator.~~

2. (CURRENTLY AMENDED) Device according to claim 1, ~~characterised in that~~ wherein the first channel (28) forms a low channel and the second channel (30) forms a high channel, which ~~makes it possible to effect effects~~ a heat exchange when the temperature of the first channel is higher than that of the second channel, and ~~to prevent prevents~~ a heat exchange when the temperature of the first channel is lower than that of the second channel.

3. (CURRENTLY AMENDED) Device according to claim 1, ~~characterised in that~~ wherein the first channel (28) forms a high channel and the second channel (30) forms a low channel, which ~~makes it possible to effect effects~~ a heat exchange when the temperature of

the first channel is lower than that of the second channel and ~~to prevent~~ prevents a heat exchange when the temperature of the first channel is higher than that of the second channel.

4. (CURRENTLY AMENDED) Device according to one of claims 1 to 3, ~~characterised in that it comprises~~ further comprising:

~~selection means (20, 56; 58, 60)~~ a selector for bringing the device into either of two states, ~~comprising including~~ including a first state in which the first channel (28) forms a low channel and the second channel (30) forms a high channel, and a second state in which the first channel (28) forms a high channel and the second channel (30) forms a low channel.

5. (CURRENTLY AMENDED) Device according to claim 4, ~~characterised in that it comprises~~ further comprising:

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first units (12) configured in the first state and second units (12) configured in the second state, and ~~in that the selection means comprise means (20, 56) to put~~ wherein the selector puts into operation either the first units or the second units.

6. (CURRENTLY AMENDED) Device according to claim 4, ~~characterised in that 5,~~ wherein the units (12) ~~are configured in a state in which the selection means comprise~~ changeover means selector includes a device to change the units over into the other of the two states.

7. (CURRENTLY AMENDED) Device according to claim 6, ~~characterised in that it comprises an~~ further comprising:

a shutter element (36) of the shutter type or the like which groups one or more of the first and second units (12) capable of moving from the first state into the second state, or vice versa, by a changeover.

8. (CURRENTLY AMENDED) Device according to ~~one of claims 1 to 7~~ claim 1, ~~characterised in that it comprises blocking means (54; 20, 56)~~ further comprising:

a blocker for blocking voluntarily circulation of the heat-exchanging fluid (FC).

9. (CURRENTLY AMENDED) Device according to ~~one of claims 1 to 8,~~
~~characterised in that~~ claim 1, wherein the first wall (14) is ~~capable of being~~ exposed to solar
radiation (S), whereas the second wall (16) backs on to a thermal mass to be heated or cooled.

10. (CURRENTLY AMENDED) Device according to ~~one of claims 1 to 9,~~
~~characterised in that~~ claim 1, wherein the second wall (16) backs on to a wall of a building.

11. (CURRENTLY AMENDED) Device according to ~~one of claims 1 to 10,~~
~~characterised in that~~ claim 1, wherein the heat-exchanging fluid (FC) is air.

12. (CURRENTLY AMENDED) Device according to ~~one of claims 1 to 11,~~
~~characterised in that~~ claim 1, wherein the insulating unit (12) ~~is formed of~~ includes an
insulating material.

13. (CURRENTLY AMENDED) Device according to ~~one of claims 1 to 12,~~
~~characterised in that~~ claim 1, wherein the insulating material is selected from one of a polymer,
a cellular concrete, or and a flexible material ~~such as a fabric~~.

14. (CURRENTLY AMENDED) Device according to ~~one of claims 1 to 13,~~
~~characterised in that~~ claim 1, wherein the insulating unit comprises an insulating core (20)
~~capable of being~~ placed between the first wall (14) and the second wall (16) ~~in order to help~~
define respectively the first channel (28) and the second channel (30), as well as an upper
partition (24) and a lower partition (26) ~~capable of being~~ disposed respectively above and
below the core (20) ~~in order to help~~ define respectively the upper channel (32) and the lower
channel (34).
